

RS 45012

THREE YEAR B.Com. (Comp.) (CBCS) DEGREE EXAMINATION, MARCH/APRIL 2019.

FOURTH SEMESTER

OBJECT ORIENTED PROGRAMMING WITH C++

(W.e.f. 2016-2017 Admitted Batch)

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 5 = 25 marks)

Answer any FIVE of the following.

Each question carries 5 marks.

1. Discuss benefits of oops and differentiate between C and C++.
2. Write a C++ program to find whether given number is palindrome (or) not.
3. Explain about variables and constants.
4. Explain nested If and else If ladder with examples.
5. Explain pointers in C++.
6. What is difference between default and parameterized constructor?
7. Write a C++ program to print a string in reverse order.
8. Discuss about friend function and friend class.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

Each question carries 10 marks.

9. Explain features of C++ in detail.

Or

10. Write about the following :
 - (a) Inheritance.
 - (b) Call by value.
 - (c) Call by reference.

11. Explain different operators in C++ with examples.

Or

12. (a) Explain structure of C++ program.

(b) Write a C++ program to print whether the given number is amstrong (or) not.

13. Discuss about looping statements with suitable example.

Or

14. Discuss the following :

(a) Inline functions.

(4)

(b) Break, control and GoTo statements.

(6)

15. Explain structures concept in detail.

Or

16. Discuss following :

(a) Operator overloading.

(4)

(b) Strings.

(6)

17. (a) Explain constructor overloading with example.

(6)

(b) Discuss brief history of C++.

(4)

Or

18. (a) Explain multidimensional and single dimensional arrays in detail.

(b) Write a C++ program that perform matrix multiplication of two given matrices.